



JPL

Space Infrared Telescope Facility

SIRTF Instrumentation Overview

SIRTF

◆ **Infrared Array Camera, G.G.Fazio, SAO, PI.**

Wide-field (5x5 arcmin) imaging. Simultaneous viewing at 3.6, 4.5, 5.8, 8um
InSb and Si:As IBC arrays, 256x256 pixel format

◆ **Infrared Spectrograph, J.R.Houck, Cornell, PI.**

R=600 echelle spectrographs, 10-20 and 20-40um
R=50 long-slit spectrographs, 5-15um and 15-40um
Imaging/Photometry, 15um

Si:As and Si:Sb IBC arrays, 128x128 pixel format

◆ **Multi-band Imaging Photometer for SIRTF, G.Rieke, Arizona, PI.**

Imaging and photometry: 24, 70, 160um; optimized for efficient large area surveys and superresolution; R~15 spectrophotometry, 50-100um
Si:As IBC and Ge:Ga arrays, 128x128 and 32x32 format
Stressed Ge:Ga array, 2x20 format